## What is claimed is:

- 1. A method of forming a gate oxide on a transistor body region, comprising: evaporation depositing a metal alloy layer on the body region; and oxidizing the metal alloy layer to form a metal oxide layer on the body region.
- 2. The method of claim 1, wherein evaporation depositing the metal alloy layer includes evaporation depositing cobalt and titanium.
- 3. The method of claim 1, wherein evaporation depositing the metal alloy layer includes evaporation depositing by electron beam evaporation.
- 4. The method of claim 3, wherein electron beam evaporation depositing the metal alloy layer includes electron beam evaporation of a single metal alloy target.
- 5. The method of claim 1, wherein evaporation depositing the metal alloy layer includes evaporation depositing at an approximate substrate temperature range of 100 150° C.
- 6. The method of claim 1, wherein oxidizing the metal alloy layer includes oxidizing at a temperature of approximately 400° C.
- 7. The method of claim 1, wherein oxidizing the metal alloy layer includes oxidizing with atomic oxygen.
- 8. The method of claim 1, wherein oxidizing the metal alloy layer includes oxidizing using a krypton (Kr)/oxygen (O<sub>2</sub>) mixed plasma process.

- 9. A method of forming a gate oxide on a transistor body region, comprising: evaporation depositing a metal alloy layer on the body region; and oxidizing the metal alloy layer using a krypton(Kr)/oxygen (O<sub>2</sub>) mixed plasma process to form a metal oxide layer on the body region.
- 10. The method of claim 9, wherein evaporation depositing the metal alloy layer includes evaporation depositing cobalt and titanium.
- 11. The method of claim 9, wherein evaporation depositing the metal alloy layer includes evaporation depositing by electron beam evaporation.
- 12. The method of claim 11, wherein electron beam evaporation depositing the metal alloy layer includes electron beam evaporation of a single metal alloy target.
- 13. The method of claim 9, wherein evaporation depositing the metal alloy layer includes evaporation depositing at an approximate substrate temperature range of 150 400 °C.
- 14. A method of forming a transistor, comprising:
  forming first and second source/drain regions;
  forming a body region between the first and second source/drain regions;
  evaporation depositing a metal alloy layer on the body region;
  oxidizing the metal alloy layer to form a metal oxide layer on the body region;
  and
  coupling a gate to the metal oxide layer.
- 15. The method of claim 14, wherein evaporation depositing the metal alloy layer includes evaporation depositing cobalt and titanium.

- 16. The method of claim 14, wherein evaporation depositing the metal alloy layer includes evaporation depositing by electron beam evaporation.
- 17. The method of claim 16, wherein electron beam evaporation depositing the metal alloy layer includes electron beam evaporation of a single metal alloy target.
- 18. The method of claim 14, wherein evaporation depositing the metal alloy layer includes evaporation depositing at an approximate substrate temperature range of 100 150° C.
- 19. The method of claim 14, wherein oxidizing the metal alloy layer includes oxidizing at a temperature of approximately 400 °C.
- 20. The method of claim 14, wherein oxidizing the metal alloy layer includes oxidizing with atomic oxygen.
- 21. The method of claim 14, wherein oxidizing the metal alloy layer includes oxidizing using a krypton (Kr)/oxygen (O<sub>2</sub>) mixed plasma process.
- 22. A method of forming a memory array, comprising:

forming a number of access transistors, comprising:

forming first and second source/drain regions;

forming a body region between the first and second source/drain regions;

evaporation depositing a metal alloy layer on the body region;

oxidizing the metal alloy layer to form a metal oxide layer on the body

region;

coupling a gate to the metal oxide layer;

forming a number of wordlines coupled to a number of the gates of the number of access transistors;

forming a number of sourcelines coupled to a number of the first source/drain regions of the number of access transistors; and

forming a number of bitlines coupled to a number of the second source/drain regions of the number of access transistors.

- 23. The method of claim 22, wherein evaporation depositing the metal alloy layer includes evaporation depositing cobalt and titanium.
- 24. The method of claim 22, wherein evaporation depositing the metal alloy layer includes evaporation depositing by electron beam evaporation.
- 25. The method of claim 24, wherein electron beam evaporation depositing the metal alloy layer includes electron beam evaporation of a single metal alloy target.
- 26. The method of claim 22, wherein evaporation depositing the metal alloy layer includes evaporation depositing at an approximate substrate temperature range of 100 150° C.
- 27. The method of claim 22, wherein oxidizing the metal alloy layer includes oxidizing at a temperature of approximately 400 °C.
- 28. The method of claim 22, wherein oxidizing the metal alloy layer includes oxidizing with atomic oxygen.
- 29. The method of claim 22, wherein oxidizing the metal alloy includes oxidizing using a krypton (Kr)/oxygen (O<sub>2</sub>) mixed plasma process.

30. A method of forming an information handling system, comprising:

forming a processor;

forming a memory array, comprising:

forming a number of access transistors, comprising:

forming first and second source/drain regions;

forming a body region between the first and second source/drain

regions;

evaporation depositing a metal alloy layer on the body region;

oxidizing the metal alloy layer to form a metal oxide layer on the

body region;

coupling a gate to the metal oxide layer;

forming a number of wordlines coupled to a number of the gates of the number of access transistors;

forming a number of sourcelines coupled to a number of the first source/drain regions of the number of access transistors;

forming a number of bitlines coupled to a number of the second source/drain regions of the number of access transistors; and forming a system bus that couples the processor to the memory array.

- 31. The method of claim 30, wherein evaporation depositing the metal alloy layer includes evaporation depositing cobalt and titanium.
- 32. The method of claim 30, wherein evaporation depositing the metal alloy layer includes evaporation depositing by electron beam evaporation.
- 33. The method of claim 32, wherein electron beam evaporation depositing the metal alloy layer includes electron beam evaporation of a single metal alloy target.

- 34. The method of claim 30, wherein evaporation depositing the metal alloy layer includes evaporation depositing at an approximate substrate temperature range of 100 150 °C.
- 35. The method of claim 30, wherein oxidizing the metal alloy layer includes oxidizing at a temperature of approximately 400 °C.
- 36. The method of claim 30, wherein oxidizing the metal alloy layer includes oxidizing with atomic oxygen.
- 37. The method of claim 30, wherein oxidizing the metal alloy layer includes oxidizing using a krypton (Kr)/oxygen (O<sub>2</sub>) mixed plasma process.
- 38. A transistor, comprising:
  - a first and second source/drain region;
- a body region located between the first and second source/drain regions, wherein a surface portion of the body region has a surface roughness of approximately 0.6 nm;
- a cobalt-titanium alloy oxide dielectric layer coupled to the surface portion of the body region; and
  - a gate coupled to the cobalt-titanium alloy oxide dielectric layer.
- 39. The transistor of claim 38, wherein the cobalt-titanium alloy oxide dielectric layer includes CoTiO<sub>3</sub>.
- 40. The transistor of claim 38, wherein the surface portion of the body region is oriented in the (100) crystalline plane.
- 41. The transistor of claim 38, wherein the surface portion of the body region is oriented in the (111) crystalline plane.

- 42. The transistor of claim 38, wherein the cobalt-titanium alloy oxide dielectric layer is substantially amorphous.
- 43. A memory array, comprising:

a number of access transistors, comprising:

a first and second source/drain region;

a body region located between the first and second source/drain regions, wherein a surface portion of the body region has a surface roughness of approximately 0.6 nm;

a cobalt-titanium alloy oxide dielectric layer coupled to the surface portion of the body region;

a gate coupled to the cobalt-titanium alloy oxide dielectric layer;

a number of wordlines coupled to a number of the gates of the number of access transistors;

a number of sourcelines coupled to a number of the first source/drain regions of the number of access transistors; and

a number of bitlines coupled to a number of the second source/drain regions of the number of access transistors.

- 44. The memory array of claim 43, wherein the cobalt-titanium alloy oxide dielectric layer includes CoTiO<sub>3</sub>.
- 45. The memory array of claim 43, wherein the cobalt-titanium alloy oxide dielectric layer exhibits a dielectric constant (k) of approximately 40.
- 46. The memory array of claim 43, wherein the cobalt-titanium alloy oxide dielectric layer is substantially amorphous.

47. An information handling device, comprising:

a processor;

a memory array, comprising:

a number of access transistors, comprising:

a first and second source/drain region;

a body region located between the first and second source/drain regions, wherein a surface portion of the body region has a surface roughness of approximately 0.6 nm;

a cobalt-titanium alloy oxide dielectric layer coupled to the surface portion of the body region;

a gate coupled to the cobalt-titanium alloy oxide dielectric layer; a number of wordlines coupled to a number of the gates of the number of access transistors;

a number of sourcelines coupled to a number of the first source/drain regions of the number of access transistors;

a number of bitlines coupled to a number of the second source/drain regions of the number of access transistors; and

a system bus coupling the processor to the memory device.

- 48. The information handling device of claim 47, wherein the cobalt-titanium alloy oxide dielectric layer includes CoTiO<sub>3</sub>.
- 49. The information handling device of claim 47, wherein the cobalt-titanium alloy oxide dielectric layer exhibits a dielectric constant (k) of approximately 40.
- 50. The information handling device of claim 47, wherein the cobalt-titanium alloy oxide dielectric layer is substantially amorphous.

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51. A transistor formed by the process, comprising:

forming a body region coupled between a first source/drain region and a second source/drain region;

evaporation depositing a metal alloy layer on the body region; oxidizing the metal alloy layer to form a metal oxide layer on the body region; and

- coupling a gate to the metal oxide layer.
- 52. The transistor of claim 51, wherein evaporation depositing the metal alloy layer includes evaporation depositing cobalt and titanium.
- 53. The transistor of claim 51, wherein evaporation depositing the metal alloy layer includes evaporation depositing by electron beam evaporation.
- 54. The method of claim 51, wherein oxidizing the metal alloy layer includes oxidizing using a krypton (Kr)/oxygen ( $O_2$ ) mixed plasma process.
- 55. A method of forming a gate oxide on a transistor body region, comprising: electron beam evaporation depositing a metal alloy layer on the body region; and oxidizing the metal alloy layer to form a metal oxide layer on the body region.